

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	("6975666").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 15:41
L3	1	L2 and (chip or subsymbol or sub-symbol or subsampl\$4 or sub-sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:50
L4	394	(chip or subsymbol or sub-symbol or subsampl\$4 or sub-sampl\$4) and interpolat\$4 and (interference or noise) and (estimat\$4 near3 symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:51
L6	88	(chip or subsymbol or sub-symbol or subsampl\$4 or sub-sampl\$4) and interpolat\$4 and (interference or noise) and (estimat\$4 near3 symbol) and interpolat\$4.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:52
S1	4	(Dunyak.in. or Fite.in. or Shapiro. in.) and (sub adj1 symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/15 09:55
S2	514	375/130-153.ccls. and ((interference or noise) near3 (user))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/07/12 12:51
S3	857	375/130-153.ccls. and ((interference or noise) near3 (user))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:14
S4	27	S3 and ((estimat\$4 near3 symbols) with (chip))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:10
S5	1	((estimat\$4 near3 symbols) with (chip adj1 intervals))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:56
S6	15	((estimat\$4 near3 symbols) with (chip adj1 rate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:47
S7	2	S3 and ((estimat\$4 near3 symbols) with (sub adj1 symbol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:14

## EAST Search History

S8	46	((interference or noise) near3 (user)) and ((estimat\$4 near3 symbols) with (chip))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:00
S9	5	((interference or noise) near3 (user)) and ((estimat\$4 near3 symbols) with (sub adj1 symbol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:15
S10	19	S8 not S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:17
S11	3	(Dunyak.in. or Fite.in. or Shapiro.in.) and (interpolat\$4 with signature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 12:24
S12	35	(interpolat\$4 near3 signature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:25
S13	5	(interpolat\$4 near3 signature) and chip	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:25
S14	35	(interpolat\$4 near3 signature) and signature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:29
S15	21	(interpolat\$4 near2 ((spread\$4 or "PN" or "PRN") adj2 (code or function)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:32
S16	9	(interpolat\$4 near2 ((spread\$4 or "PN" or "PRN") adj2 (code or function))) and (sampl\$4 with chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 14:11
S17	218	((estimat\$4 near3 symbols) with (interpolat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:48
S18	0	(estimat\$4 near3 symbols) same (interpolat\$4 near2 ((spread\$4 or "PN" or "PRN") adj2 (code or function))) and (sampl\$4 with chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:48
S19	0	(estimat\$4 near3 symbols) same (interpolat\$4 near2 ((spread\$4 or "PN" or "PRN") adj2 (code or function))) and (sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:49

## EAST Search History

S20	0	(estimat\$4 near3 symbols) same (interpolat\$4 near2 ((spread\$4 or "PN" or "PRN") adj2 (code or function)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 12:49
S21	2	("5151919").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 12:51
S22	2	("5615209").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 13:00
S23	0	S22 and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 13:00
S24	2	("5615290").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 13:00
S25	0	S24 and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 13:00
S26	3	S11 and lattice	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 14:08
S29	7	(interpolat\$4 near2 ((spread\$4 or "PN" or "PRN") adj2 (code or function))) and (sampl\$4 with chip) and synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 14:28
S30	4	S29 and bits	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/09 14:33
S31	2	("5099493").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/09 14:33
S32	2	"6442154"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:56
S33	0	((interference or noise) near3 (user)) and ((estimat\$4 near3 symbols) with (subsymbol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:58

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S34	5	((interference or noise) near3 (user)) and ((estimat\$4 near3 symbols) with (sub-symbol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:58
S35	50	((interference or noise) near3 (user)) and ((estimat\$4 near3 symbols) with (chip)) and chip	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:02
S36	42	((interference or noise) near3 (user)) and ((estimat\$4 near3 symbols) with (chip)) and chip and sampl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:14
S37	92	gain with (multi-user)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:15
S38	24	gain with (multiuser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:15
S39	86	gain with (multiple adj1 users)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:15
S40	81	gain with (plurality adj2 users)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:15
S41	7	(select\$4 or choos\$4) with gain with (multi-user)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:19
S42	3	(select\$4 or choos\$4) with gain with (multiuser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:17
S43	5	(select\$4 or choos\$4) with gain with (multiple adj1 users)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:21
S44	10	(select\$4 or choos\$4) with gain with (plurality adj2 users)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:19
S45	1	(select\$4 or choos\$4) with gain with (multi-user near3 detect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:20

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S46	8	gain with (multi-user near3 detect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:20
S47	10	gain with (multiuser near3 detect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:21
S48	0	(select\$4 or choos\$4) with gain with (detect\$4 with (multiple adj1 users))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:21
S49	1	(select\$4 or choos\$4) with gain with (detect\$4 with (plurality adj2 users))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 10:22
S50	966	((multiuser) or (multipl\$5 adj3 user) or (plurality adj3 user)) and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) and ((parallel or simultaneous\$4 or concurrent\$4) same (noise or interference)) and (sub-symbol or subsymbol or chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:00
S51	246	((multiuser) or (multipl\$5 adj3 user) or (plurality adj3 user)) same ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference))) and ((parallel or simultaneous\$4 or concurrent\$4) same (noise or interference)) and (sub-symbol or subsymbol or chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 13:52
S52	2	("6442154").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 13:52
S53	8370	((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) same (sub-symbol or subsymbol or chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:02
S54	2	("6442154").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 14:17
S55	1	S54 and previous	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 14:19

## EAST Search History

S56	24	((multiuser) or (multipl\$5 adj3 user) or (plurality adj3 user)) and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) and ((interference or noise) with ((previous\$4 or before) near3 (chip or subample\$4 or subsampl\$4 or bit or sub-symbol or subsybol)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 14:51
S57	9	((multiuser) or (multipl\$5 adj3 user) or (plurality adj3 user)) and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) and ((interference or noise) with ((previous\$4 or before) near3 (chip or subample\$4 or subsampl\$4 or bit or sub-symbol or subsybol))) and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 14:58
S58	2	("6975666").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 15:41
S59	1	S58 and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 14:57
S60	330	375/130-153.ccls. and ((multiuser) or (multipl\$5 adj3 user) or (plurality adj3 user)) and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) and ((parallel or simultaneous\$4 or concurrent\$4) same (noise or interference)) and (sub-symbol or subsymbol or chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:00
S61	3131	((estimat\$4 or decision or decod\$4 or slic\$4) near3 (symobl or bit)) same (chip or sub-symbol or subsymbol or subsampl\$4 or sub-sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:01
S62	366	S61 and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:01
S63	158	S62 and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) same (sub-symbol or subsymbol or chip or subsampl\$4 or sub-sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:14

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S64	161	S62 and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4 or estimat\$4 or calculat\$4 or determin\$4) near3 (noise or interference)) same (sub-symbol or subsymbol or chip or subsampl\$4 or sub-sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:15
S65	304	S61 and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4) near3 (noise or interference)) same (sub-symbol or subsymbol or chip or subsampl\$4 or sub-sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:14
S66	146	S65 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:14
S67	146	S65 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:14
S68	326	S61 and ((filter\$4 or remov\$4 or reduc\$4 or cancel\$4 or estimat\$4 or calculat\$4 or determin\$4) near3 (noise or interference)) same (sub-symbol or subsymbol or chip or subsampl\$4 or sub-sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:15
S69	326	S68 notL18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:15
S70	165	S68 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 15:31
S71	6	((("20030067969") or ("20030179698") or ("6725025")). PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 15:31
S72	4	S71 and previous\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/01 15:31